

Amendments to the Claims:

Claims 1-8 (Canceled)

9. (Original) A system for loading a medical device with a beneficial agent, the system comprising:

a mandrel for supporting a medical device;

a dispenser for dispensing a beneficial agent into a plurality of holes in the medical device by vibration of a portion of the dispenser; and

a central processing unit for controlling a size of droplets of beneficial agent from the dispenser by controlling parameters of the vibration.

10. (Original) The system of Claim 9, wherein the central processing unit controls a number and location of the droplets.

11. (Original) The system of Claim 9, wherein the dispenser uses vibration of a piezoelectric material.

12. (Original) The system of Claim 9, wherein the dispenser uses vibration of an acoustic transducer.

Claims 13-16 (Canceled)

17. (Previously presented) A system for loading a medical device with a beneficial agent, the system comprising:

a medical device having openings;

a dispenser including a dispensing tip configured to deliver droplets of a beneficial agent into the openings of the medical device;

a beneficial agent solution supply connected to the dispenser, the beneficial agent containing a solvent; and

a cloud formation system configured to form a cloud of gas adjacent to the dispensing tip of the dispenser, the gas selected to prevent fowling of the dispensing tip.

18. (Previously presented) The system of Claim 17, wherein the cloud formation system includes a supply of a liquid and means for evaporating the liquid.
19. (Previously presented) The system of Claim 17, wherein the cloud formation system includes a supply of liquid solvent and means for evaporating the liquid solvent.
20. (Previously presented) The system of Claim 17, wherein the medical device is a stent.